Approved for use through 10/31/2002. OMB 0651-0032

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## PATENT APPLICATION TRANSMITTAL Attorney Docket No. 1068-001 First Inventor John M. Thompson et al. Title ENGINE MISFIRE DETECTION SYSTEM

Express Mail Label No. EV086421144US (Only for new nonprovisional applications under 37 C.F.R. 1.53(b)) Mail Stop Patent Application APPLICATION ELEMENTS Commissioner for Patents ADDRESS TO: PO Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria, VA 22313-1450 1. 🛛 Fee Transmittal Form (e.g., PTO/SB/17) 7. CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for fee processing) Computer Program (Appendix) 2. 🛛 Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) з. 🛛 Specification Total Pages a. Computer Readable Form (CRF) (preferred arrangement set forth below) b. Specification Sequence Listing on: - Descriptive title of the Invention i. CD-ROM or CD-R (2 copies); or - Cross References to Related Applications ii. 🔲 paper - Statement Regarding Fed sponsored R & D c. Statements verifying identity of above copies - Reference to sequence listing, a table, or a computer program listing appendix **ACCOMPANYING APPLICATIONS PARTS** - Background of the Invention 9. 🛛 - Brief Summary of the Invention Assignment Papers (cover sheet & document(s)) - Brief Description of the Drawings (if filed) 10. 🖾 37 C.F.R.§3.73(b) Statement Power of - Detailed Description (when there is an assignee) - Claim(s) Attorney - Abstract of the Disclosure 11. 🔲 English Translation Document (if applicable) 12. 🛛 Copies of IDS 4. 🔯 Drawing(s) (35 U.S.C.113) [Total Sheets] 11 ] Information Disclosure Statement (IDS)/PTO-1449 Citations 5. Oath or Declaration Total Pages 2 13. 🔲 Preliminary Amendment a. Newly executed (original or copy) 14. 🛛 Return Receipt Postcard (MPEP 503) b. Copy from a prior application (37 CFR 1.63 (d)) (Should be specifically itemized) (for a continuation/divisional with Box 18 completed) 15. Certified Copy of Priority Document(s) i. DELETION OF INVENTOR(S) (if foreign priority is claimed) Signed statement attached deleting inventor(s) 16. 🛛 Request and Certification under 35 U.S.C. 122 named in the prior application, see 37 CFR (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b). or its equivalent. 6. Application Data Sheet. See 37 CFR 1.76 17. 🔲 Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_ Prior application information: Examiner Group / Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 17. CORRESPONDENCE ADDRESS 27820 Correspondence address below ☑ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) Name Address City Zip Code State Telephone Country Registration No. (Attorney/Agent) 42,466 Name (Print/Type) Taylor M. Davenport Signature Date August 28, 2003

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FEE TRANSMITTAL		Complete if Known			
		Application Number			
for FY 2	2003	Filing Date			
		First Named Inventor	John M. Thompson et al.		
Patent fees are subject to annual revision.		Examiner Name			
		Group / Art Unit			
TOTAL AMOUNT OF PAYMENT	(\$) 415	Attorney Docket No.	1068-001		
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				1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		
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See 37 CF	Applicant claims small entity status. See 37 CFR 1.27				1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
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	FEE C	ALCULATION			1253	930	2253	465	Extension for reply within third month	<b> </b>
1. BASIC FILING FEE				1254	1,450	2254	725	Extension for reply within fourth month		
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	code (\$)			Paid	1402	320	2402	160	Filing a brief in support of an appeal	
	001 375	Utility filing fee	375		1403	280	2403	140	Request for oral hearing	
1	1002 165 1003 260	Design filing fee Plant filing fee			1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1004 750 2	2004 375	Reissue filing fee			1452	110	2452	55	Petition to revive – unavoidable	
1005 160 2	005 80	·			1453	1,300	2453	650	Petition to revive – unintentional	
			1501	1,300	2501	650	Utility issue fee (or reissue)			
	SUBTOTA	L (1)	(\$)	375	1502	470	2502	235	Design issue fee	
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SUBTOTAL (2) (\$) 0			Other fee (specify)							
**or number previously paid, if greater; For Reissues, see above				*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40						

SUBMITTED BY Complete (if applicable)						
Name (Print/Type)	Taylor M. Davenport	Registration No. Attorney/Agent)	42,466	Telephone	(919) 654-4520	
Signature	Park M	· idul		Date	August 28, 2003	

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## REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)

First Named Inventor		John M. Thompson et al.				
Title	ENGINE MISFIR	E DETECTION SYSTEM				
Attv D	ocket Number	1068-001				

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

August 28, 2003

Date

Signature

Taylor M. Davenport, Reg. No. 42,466

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, USPTO, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

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Sir:

## CERTIFICATE OF MAILING/EXPRESS MAIL

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Date of Deposit August 28, 2003

I hereby certify that this paper, which is a Utility Patent Application entitled **ENGINE MISFIRE DETECTION SYSTEM** (our file 1068-001), and the attached fee are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Mail Stop Patent Application, PO Box 1450, Alexandria, VA 22313-1450.

Mailed Ry

Kelly A. Farrow

EA09P45774402